

WHAT IS CLAIMED IS:

1. A spring steel excellent in sag resistance and fatigue property containing:

C: 0.5 to 0.8% by mass (hereinafter, referred to as %),

5 Si: 1.2 to 2.5%,

Mn: 0.2 to 1.5%,

Cr: 1.0 to 4.0%,

V: 0.5% or less (including 0%),

P: 0.02% or less (excluding 0%),

10 S: 0.02% or less (excluding 0%),

Al: 0.05% or less (excluding 0%), and

Fe and inevitable impurities as the balance, wherein

the Si content and the Cr content satisfy the following formula (1):

$$0.8 \times [\text{Si}] + [\text{Cr}] \geq 2.6 \dots (1)$$

15 (wherein, [Si] and [Cr] respectively represent the Si content (%) and the Cr content (%)).

2. The spring steel according to claim 1, wherein the Mn content is 0.5% or more.

3. The spring steel according to claim 1, wherein the Cr content is 1.3% or more.

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4. The spring steel according to claim 1, further containing at least one selected from Ni: 0.5% or less (excluding 0%) and Mo: 0.4% or less (excluding 0%).

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